Project Initialization and Planning Phase

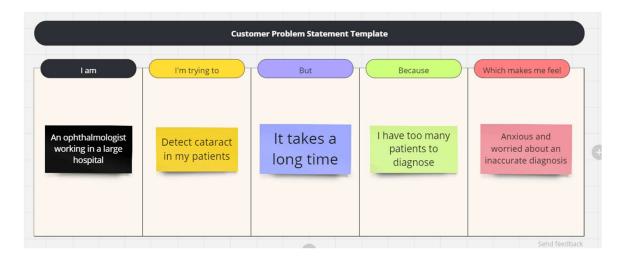|	
Date	27 June 2024
Team ID	SWTID1719999219
Project Name	Crystal Clear Vision: Revolutionizing Cataract Prediction through Transfer Learning Mastery
Maximum Marks	3 Marks

Define Problem Statements:

Cataract remains the primary cause of global blindness, necessitating early detection for effective treatment and prevention of vision impairment. However, current diagnostic methods rely heavily on traditional, manual examinations conducted by ophthalmologists. These processes are time-intensive and susceptible to human error, compounded by the challenge of interpreting diverse ocular images captured with varying cameras. Such factors hinder timely and accurate diagnoses, potentially jeopardizing patient outcomes and quality of life. To enhance our services, our goal is to address these challenges comprehensively. By understanding the complexities and frustrations associated with prolonged diagnosis times and potential inaccuracies, we aim to develop a streamlined and accessible user experience that meets the expectations of both ophthalmologists and patients alike.

Customer Problem Statement Template

I am	I'm trying to	But	Because	Which makes me feel
A patient at home with a family history of cataract	Trying to get a cataract diagnosis	I cannot meet a doctor	I live far away from the hospital	Worried about having undetected cataract

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A patient at home with a family history of cataract	Trying to get a cataract diagnosis	I cannot meet a doctor	I live far away from the hospital	Worried about having undetected cataract.
PS-2	An ophthalmologist working in a large hospital	Detect cataract in my patients	It takes a long time	I have too many patients to diagnose	Anxious and worried about an inaccurate diagnosis